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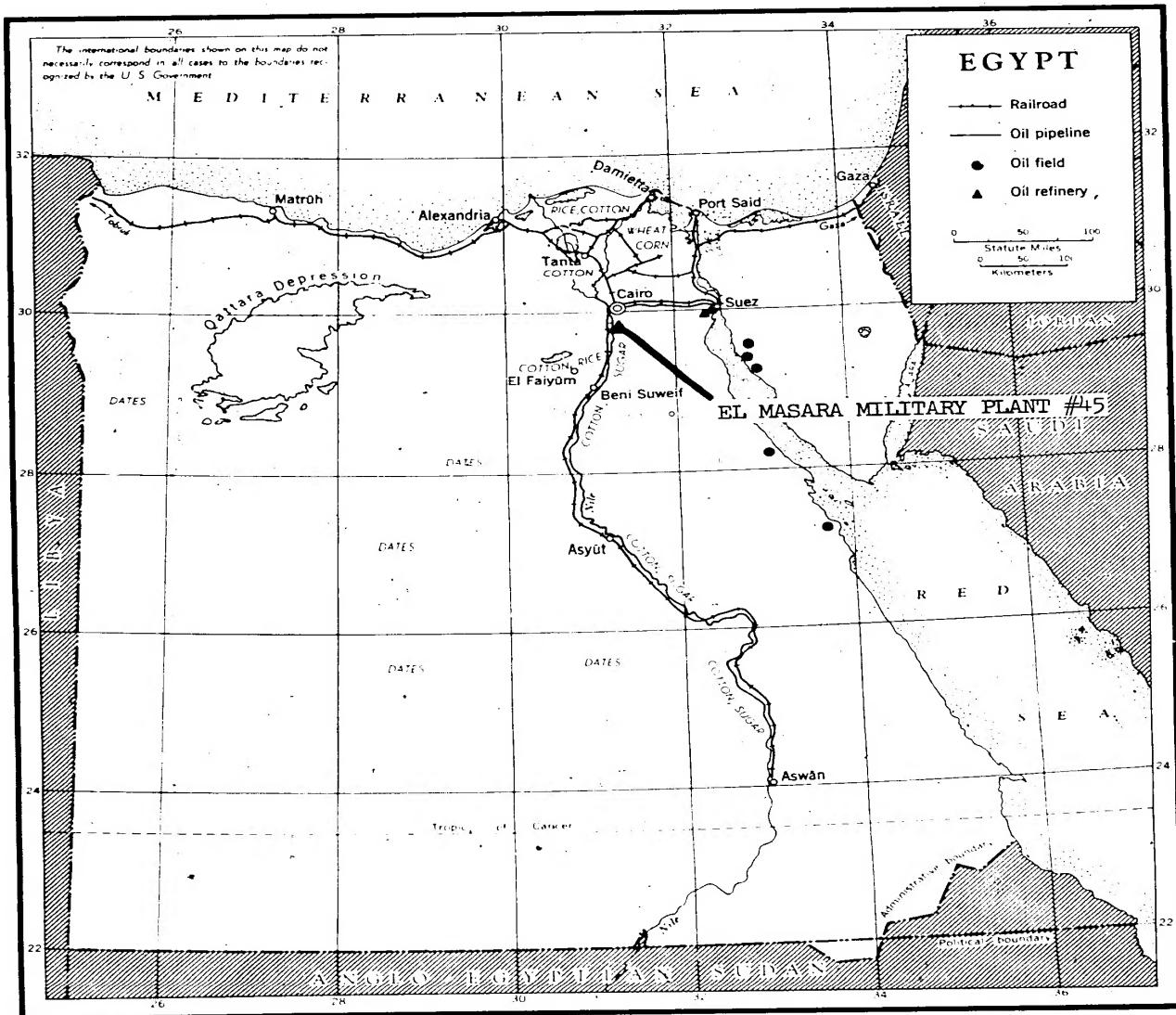
Approved For Release 2001/03/03 : CIA-RDP78T05439A000400380009-1

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~~TOP SECRET CHESS RUFF~~

TCS NO. 2163/65

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Declass Review by NIMA/DoD

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CIA/PID/IB-P-160/65

16482

TRANSMITTED VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

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TCS No. 2163/65
IB No. 94/65
18 March 1965
Copy No.

MEMORANDUM FOR: Chief, Programs/Free World Division, ORR

25X1A

ATTENTION : [REDACTED]

THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS

FROM : Chief, Photographic Intelligence Division, CIA

SUBJECT : El Masara Military Plant #45, (Egypt) UAR

REFERENCES : (1) ORR Requirement No. C-RR4-81,116
(2) CIA/PID Project No. 30218-4

1. This memorandum is forwarded in answer to the above mentioned requirement which requested an analysis and a comparative study of the El Masara Military Plant #45 located near Cairo, (Egypt) UAR.

2. Information concerning this plant as requested is as follows:

a. Location - The plant is located approximately 4 nm north-northwest of Helwan and 10 nm south-southwest of Cairo on the east bank of the Nile River. The geographic coordinates of the plant are 29 54N - 31 17E (See Figures 1 & 2).

b. Areal Extent - The plant is rectangular in shape, covers an area of approximately 71 acres and is oriented ENE/WSW (Figure 12).

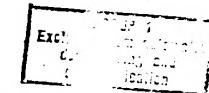
c. Production - As reported in the requirement this plant is engaged in the manufacture of light anti-aircraft gun ammunition and also rifles and machine guns. The results of the photo study tend to confirm these reports.

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d. Photography Used - All available photography covering this plant was utilized in this study. From this material, [REDACTED] missions were selected on the basis of having good quality photography. [REDACTED]

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TCS 2163/65 OVERLAY RUFF

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SUBJECT: El Masara Military Plant #45, (Egypt) UAR

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25X1D e. Construction Status - From the overall appearance of the plant and judging from the rate of change that has taken place between [REDACTED] it appears to have been in continuous expansion. Although the plant appeared to be active and operating, nevertheless, construction on additional structures was active throughout the [REDACTED] period. Figure 11 contains all of the measurements on the major structures; the figures underlined in red denote height. The major expansions and changes that occurred between [REDACTED] are shown through the use of a color code.

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APPROXIMATE BUILDING DIMENSIONS

Item Numbers are Keyed to Overlay Figure 11

©

BUILDING NO.	APPROX. DIMENSIONS (Ft.)	ROOF COVERAGE (SQ.FT.)	HEIGHT	CUBIC FT.
1	85 x 80	6,800		
2	255 x 50	12,750		
3 (71 storage bldgs)	45 x 20	900		
4	45 x 40	1,800		
5	160 x 55	8,800		
6	135 x 55	7,425		
7	165 x 45	7,425		
8	140 x 115	16,100		
9	80 x 40	3,200		
10	50 x 40	2,000		
11	85 x 50	4,250		
12	135 x 60	8,100		
13	65 x 60	3,900		
14	70 x 50	3,500		
15	280 x 75	21,000		
16	290 x 215	62,350		
17	Irregular			28,000
18	Irregular			420,000
19	Irregular			2,057,550
20	200 x 35	7,000		
21	190 x 100	19,000	15	285,000
22	220 x 65	14,300	15	214,500
23	235 x 45	10,575	15	158,625
24	75 x 65	4,875		

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158,400
163,350

28,000
420,000
2,057,550

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SUBJECT: El Masara Military Plant #45, (Egypt) UAR

<u>BUILDING NO.</u>	<u>APPROX. DIMENSIONS (FT.)</u>	<u>ROOF COVERAGE(SQ.FT.)</u>	<u>HEIGHT</u>	<u>CUBIC FT.</u>
25	95 x 50	4,750		80,750
26	Irregular			
27	85 x 60	5,100		
28	200 x 45	9,000		
29	250 x 50	12,500		
30	330 x 200	66,000		
31	315 x 55	17,325		
32	330 x 200	66,000		

3. The overlay accompanying Figure 12 outlines the plant area and the various sections within the plant. Analysis of the plant is presented under the number corresponding to that annotation on the overlay.

(1) Ammunition storage area - containing approximately 71 revetted storage buildings.

(2) Firing range - Due to the heavy foliage on the recent photography the range is obscure. On the earlier coverage the portion of the firing range between the firing point and the butt is earth covered.

(3) General purpose workshops/storage buildings

(4) Laboratory and administration type buildings

(5) Fabrication/assembly buildings

(6) Multi-story administration-type building

(7) Water tower

4. All measurements contained in this memorandum were prepared by the NPIC Technical Intelligence Division.

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25X1A 5. The photo analyst assigned to this requirement was [REDACTED] who may be contacted on extension 2546 should any question arise concerning this memorandum. This memorandum and attachments complete this requirement.

ENCLOSURES:

2 Annotated Maps (CIA/PID/IB-P-160/65 & 161)

9 Annotated Photos w/overlays (CIA/PID/IB-I

P-191/65 thru P-195/65)

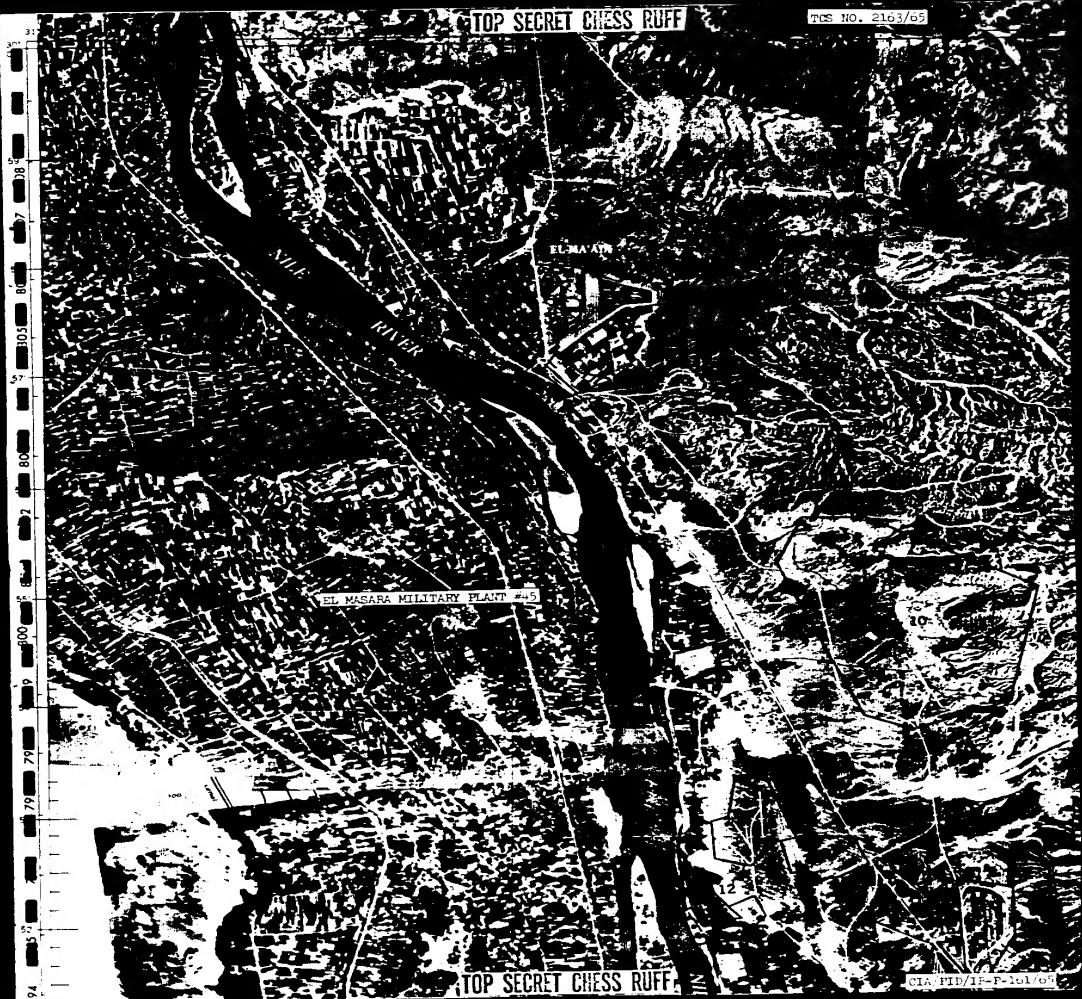
1 Annotated Plant Layout (CIA/PID/IB-P-192/65)

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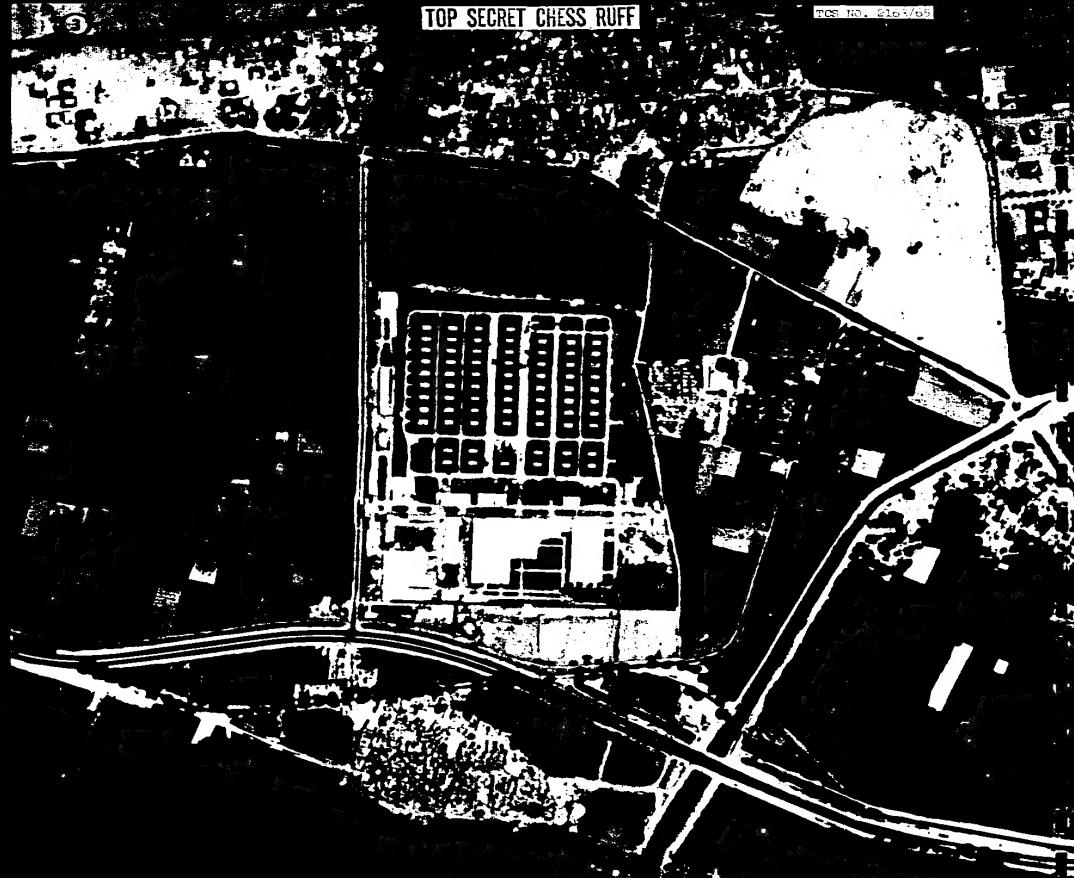
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CCS ID: 8103/65



EL MASARA MILITARY PLANT #45
EL MASARA, EGYPT
29° 54'N - 31° 17'E
CIA/PID/1B
P-102/c5
PHOTO DATA:
25X1D

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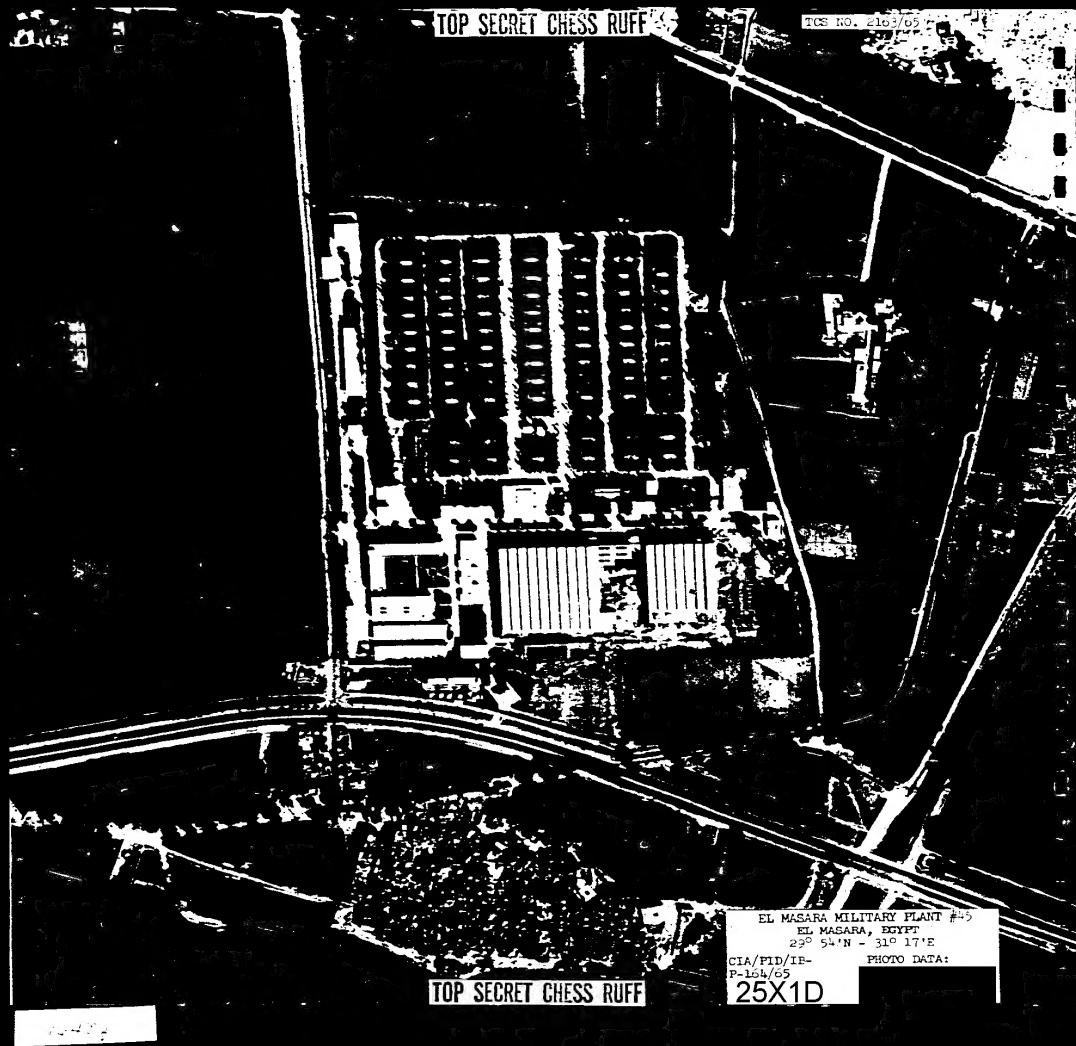
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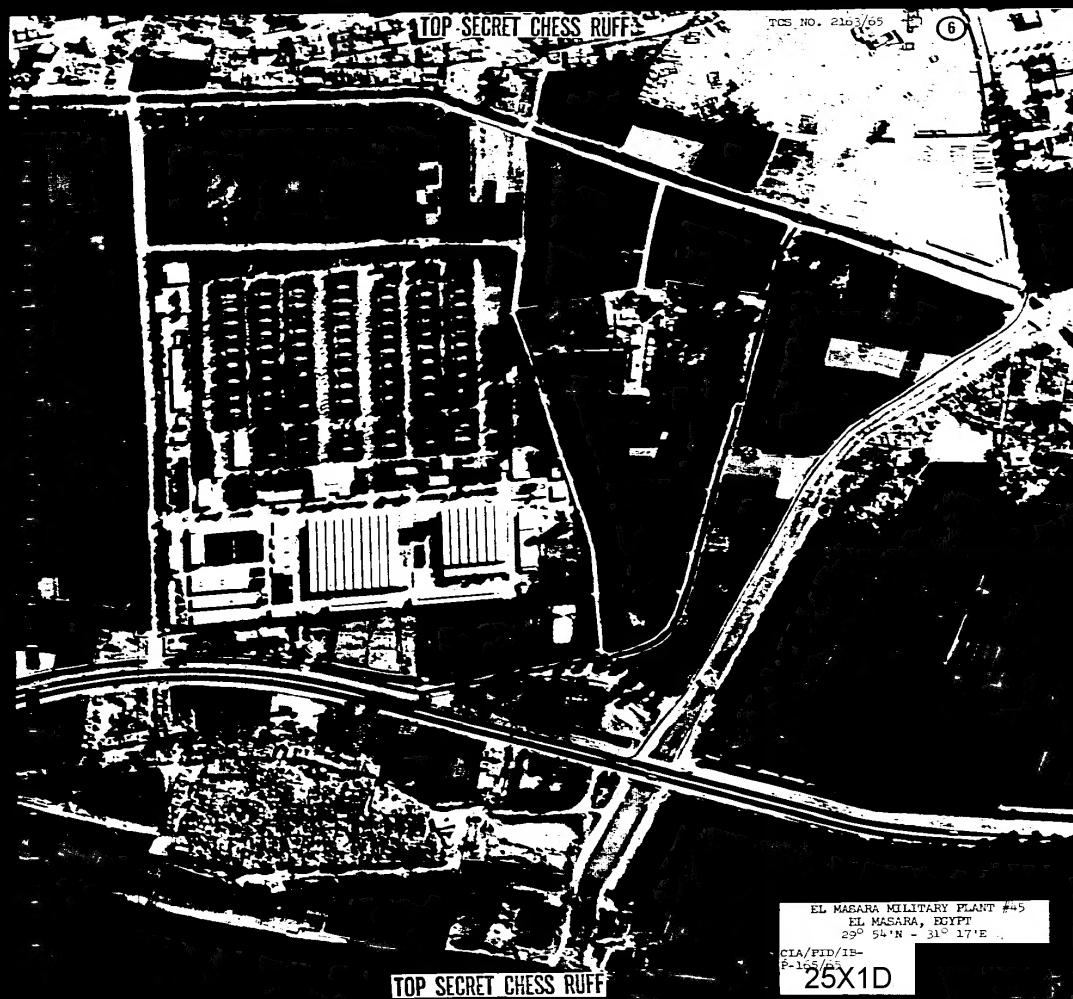
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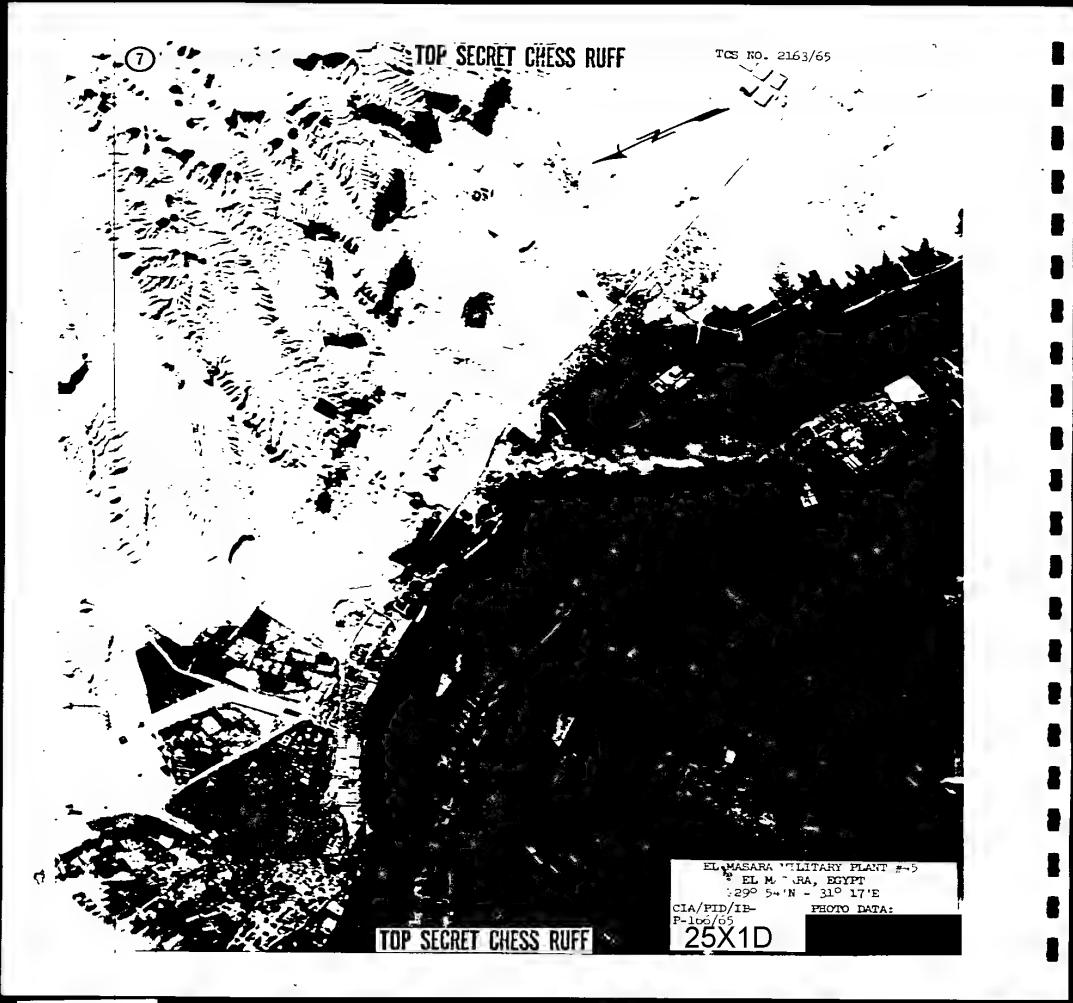
DSN NO. 2101/05

EL MASARA MILITARY PLANT #45
EL MASARA, EGYPT
29° 54'N - 31° 17'E
CIA/PID/IR-
F-103/65

25X1D







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TOS NO. 2163/65

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EL MASARA MILITARY PLANT #5
EL MASARA, EGYPT
29° 54'N - 31° 17'E

CIA/PID/IB-
P-167/65

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

TCS NO. 2163/65



EL MASARA MILITARY PLANT #45
EL MASARA, EGYPT
29° 54' N - 31° 17' E

CIÀ/PID/IB-
P-168/65

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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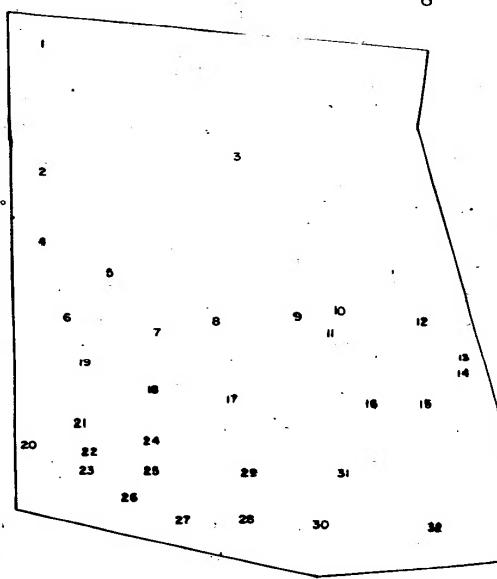
EL MASARA MILITARY PLANT #45
EL MASARA, EGYPT
29° 54' N - 31° 17' E
CIA/PID/IB-
P-191/65

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CIA/PID/IB-P-193/65

TOP SECRET CHESS RUFF

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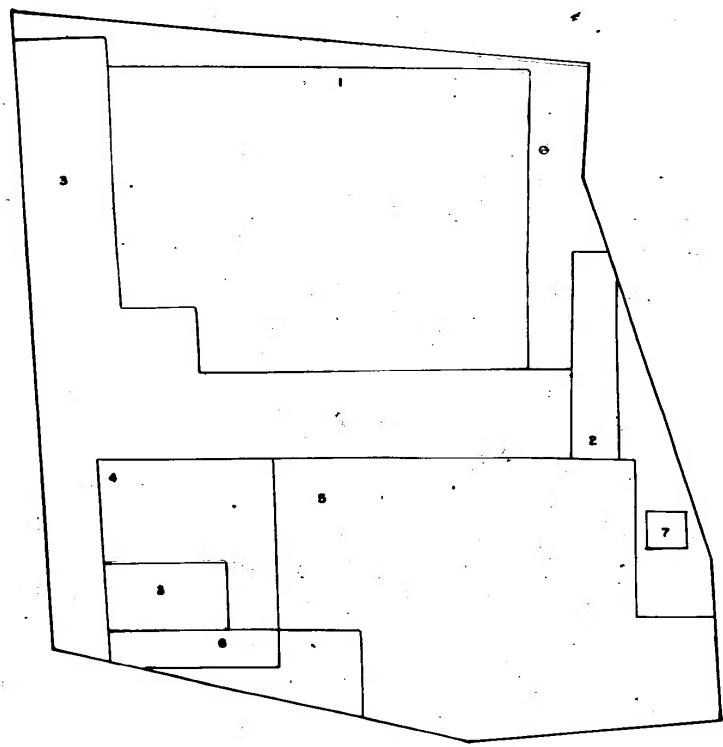
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